

## GRAND REGION

The Grand Region serves eight counties in the western part of Michigan. These include Ionia, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, and Ottawa Counties. Major state trunklines include: I-96, I-196, US- 31, US-131 and the future M-6 freeway.

Project selection strategies focus on upgrading the system with an emphasis on freeway modernization, safety, and operational improvements. Recent economic expansion, and the resulting traffic growth, in this area has required that MDOT address system continuity needs of the freeway system by constructing the Grand Rapids South Beltline (M-6), designated as the **Paul B. Henry** freeway. M-6 is scheduled for completion by 2005.

Under the Preserve First initiative, the Grand Region will continue to address system preservation needs along the major trunkline routes, to address the travel needs and support the economy of this region. MDOT will continue to complete the environmental clearance phases for major projects, including: US-31 between Holland and Grand Haven in Ottawa County, I-196 at Chicago Drive/Baldwin St. in Ottawa and Kent Counties, and I-196 in the City of Grand Rapids, to address future trunkline needs in the Grand Region.

### Past Accomplishments

The Grand Region's construction program over the last five years included a record level of over \$950 million in construction contracts. Over 419 miles of road were resurfaced or reconstructed, and 93 bridges were upgraded over this period. As a result, surface condition improved from 80% good in 1997 to 83% good in 2002. In addition, fifteen new bridges and five miles of new roadway were completed when the segment of M-6 between I-96 and M-37 south of Grand Rapids was opened. These surface and capacity improvements are vital in bringing about improved ride quality, reduced congestion and travel times in this region.

- **M-6 (Paul B. Henry Freeway):** Work continues as this project moves toward its scheduled 2005 opening. Construction on the US-131/ M-6 interchange was completed in late 2003. This vital interchange will serve significant traffic as it connects M-6 with one of the Grand Region's busiest freeways. Improvements were made to the US-131 interchanges at 68<sup>th</sup> and 76<sup>th</sup> Streets to improve freeway operations near the M-6 alignment. Additional lanes were added to US-131 from 44<sup>th</sup> Street, through the interchange, south to 76<sup>th</sup> Street.
- **I-196 (Gerald R. Ford Freeway) Bridges in Grand Rapids:** In 2002, work was completed on four bridges west of US-131. This project addressed structural issues on the bridges and improved traffic operations along I-196, between Lane Avenue and US-131.
- **M-45 (Lake Michigan Drive),** from 68<sup>th</sup> Avenue to the East Ottawa County Line. The boulevard segment of this project, between 14<sup>th</sup> and 68<sup>th</sup> Avenues was completed in 2002.

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A five-lane section was also opened to traffic from 14th Avenue to the East Ottawa County line in 2002. In 2003 M-45 was repaved from west of 68<sup>th</sup> Avenue to US-31.

- **M-37, in Newaygo and Muskegon Counties:** In 2003, resurfacing was completed from 3 Mile Road to the northern Newaygo County Line. Additional joint repairs and resurfacing were constructed along ten miles of M-37 from the city of Newaygo, south to Bailey in Muskegon County. These were the final two phases of this corridor project which began in 2002 with the resurfacing of four miles of M-37 from White Cloud north to Three Mile Road.
- **M-11 (28<sup>th</sup> Street) at M-37 (Broadmoor Avenue):** This major trunkline intersection in the cities of Grand Rapids and Kentwood was improved in 2002 through the addition of dual left-turn lanes in all directions. The reconstructed concrete intersection provides capacity, safety, and pavement condition improvements for this high-impact intersection. MDOT earned the National Partnership for Highway Quality (NPHQ) 2003 Special Recognition for a Small Project Award for this intersection reconstruction project.
- **M-120 in Muskegon County** is a commuter corridor connecting North Muskegon with the Muskegon downtown area. Operational and road surface improvements were completed on this corridor through the following projects: M-120 over the Muskegon River (the Causeway/Veterans Memorial Highway), this project included replacement of the structure and approaches to this major river crossing in the Muskegon area; Joint repairs and resurfacing work were finished from Lake Avenue in North Muskegon to east of US-31 to Marvin Road; Work near the M-120/US-31 Interchange was completed adding a center left-turn lane between Getty Street and Roberts Road; and a new loop ramp from westbound M-120 to southbound US-31.
- **M-20 corridor in Mecosta County** connects markets and customers in West and Central Michigan. Work on this corridor began in 2002 with the completion of M-20 from US-131 to McKinley Road in the City of Big Rapids and Mecosta County. Also in 2002, over three miles of M-20 were resurfaced from US-131 to 3<sup>rd</sup> Avenue in the City of Big Rapids, and over four miles of M-20 was rehabilitated from the east city limits of Big Rapids to McKinley Road in Mecosta County. In 2003 5.3 miles of M-20 was reconstructed from McKinley Road to 13 Mile Road and the intersection of M20 and M66 in the village of Remus was reconstructed.
- **US-31, Muskegon and Ottawa Counties,** US-31 at Sherman Boulevard interchange improvements included providing additional US-31 southbound off-ramp storage capacity. The completed right turn lane for eastbound Sherman Boulevard will also provide enhanced access to US-31 southbound. Turning lanes were also added to the US-31 northbound off-ramp at Sherman.

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Additional work on US-31 included resurfacing from Polk Road to Monroe Road in 2002, and the 2003 resurfacing of US-31 from Hile Road in Muskegon to 3<sup>rd</sup> Street in Ottawa County.

The southbound off-ramp at the US-31/3<sup>rd</sup> Street interchange was also extended.

- **M-46 Corridor in Montcalm County:** Major rehabilitation work continues on this important agricultural corridor following completion of the Edmore to Vestaburg section in 2002. In 2003, work was completed from Vestaburg to the eastern Montcalm County Line.
- **M-44 in Ionia County:** In 2003, just under one mile of M-44, from the Flat River bridge to Ionia Street in the City of Belding, was reconstructed to three lanes including concrete curb and gutter with intersection improvements. In the fall of 2003 work continued along M44 where 5.17 miles of M-44 was rehabilitated from Ionia Street to M-66.
- **I-96 from US-31 to M-104:** This important east/west freeway route in Muskegon and Ottawa Counties was resurfaced in 2003.
- **I-96 in Metropolitan Grand Rapids:** Resurfacing on the segment from Monroe Avenue to Cascade Road was finished in 2003. In 2004 resurfacing continues from the Cascade termini to East of 28<sup>th</sup> Street.
- **A new parking lot for the Grand Rapids Amtrak station** were funded in cooperation with the City of Grand Rapids through the use of CMAQ funds.
- **Major Freeway Sign Upgrading/Rumble Strip Program.** In an effort to improve safety in the Grand Region two major programs were completed in 2003. Freeway signs on US-131 and I-96 were upgraded to enhance vision and line of sight for motorists. The Rumble Strip Program placed rumble strips 4 inches away from the roadway edge. The implementation of this pilot program used the latest technology and safety features for freeways. Rumble strips were included on nearly 600 miles of state-owned trunklines in the eight counties of the Grand Region, including US-31, US-131, I-96 and I-196.

## Five Year Road and Bridge Program

The projects identified in this 2004 to 2008 Five Year Road and Bridge Program for the Grand Region total approximately \$231 million. Investments are allocated in the following manner:

Preserve First	\$ 1 Million
Road & Bridge Preservation	\$184 Million
Capacity Improvements & New Roads	
Construction	\$ 29 Million
Design & Pre-Construction Activities	\$ 17 Million

There are a number of programs that are selected based on statewide priorities or where project identification is completed throughout the year. These investments are not reflected above, but are included in the statewide investment strategy.

The Grand Region's Five-Year preservation and capital preventive maintenance program will upgrade over 291 additional miles (about 23%) of the Grand Region's 1,270 miles of state trunklines during the next five years. Of the 730 bridges in the Grand Region, 57 (more than 7%) are currently programmed for improvements during this time period. Major freeway work is programmed for the US-131 freeway north and south of Grand Rapids, I-96 in Kent and Ottawa Counties, and I-196 bridges in the city of Grand Rapids. Pavement rehabilitation is planned for the existing US-31 corridor in the Holland area.

### **Major projects in the 2004 to 2008 program include:**

- **I-196 (Gerald R. Ford Freeway) Bridges in Grand Rapids:** In 2004 and 2005, pending FHWA approval of the Environmental Assessment, major rehabilitation and improvements are planned to several bridges along I-196 in Grand Rapids east of US-131. I-196 is nearly 40 years old in this area and has the second highest traffic volumes in the Grand Region. These projects will address structural issues on the bridges and improve traffic operations along this core urban freeway. This freeway provides access to the downtown area and its related major redevelopment projects, such as the new convention-entertainment complex. In 2008 a major rehabilitation project is scheduled in western Kent County improving the segment from Kenowa Avenue to Chicago Drive.

**I-96 Freeway between Coopersville and M-37 (Alpine Avenue) in Ottawa and Kent Counties:** The Coopersville to Marne project was being accelerated with work on crossovers and joint repairs beginning in 2003. In 2004, bridge work and major rehabilitation on this eight mile section of interstate freeway, as well as improvements at the 68<sup>th</sup> Avenue interchange will be completed. The 68<sup>th</sup> Avenue interchange improvements are being jointly funded by MDOT and the Ottawa County Road Commission. In 2006, similar work is planned for the five mile segment between Marne and M-37 (Alpine Avenue) in Kent County. The I-96 freeway in this area links Grand Rapids and Muskegon.

- **US-131 Freeway, north of Grand Rapids:** Reconstruction of this major freeway corridor in the Grand Rapids metro area begins in 2005 along the two mile segment between Ann Street and I-96, on the southbound lanes, including traffic flow improvements. Reconstruction of the northbound lanes, Ann Street to I-96, is scheduled for 2007.

Other work scheduled for this corridor north of Grand Rapids includes: the North Park Street to 6 Mile Road pavement rehabilitation project scheduled for 2005 construction, and a rehabilitation and concrete joint repair project from 6 Mile Road to 10 Mile Road in 2007. A series of bridge repairs for the US-131 Grand Rapids corridor will be coordinated with this road work throughout the Five Year Plan.

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- **M-45 (Lake Michigan Drive), in Kent County:** In 2004, from Manzana Drive in Walker to I-196 in Grand Rapids, three miles of M-45 will be resurfaced, with intersection improvements in the area of Oakleigh and Maynard Avenues. Also, a center left turn lane improvement will be completed, jointly funded by MDOT and the cities of Grand Rapids and Walker.
- **US-31 in Holland, between 8<sup>th</sup> Street and 32<sup>nd</sup> Street:** Resurfacing and joint repairs are planned for 2004 along this two mile segment of US-31. US-31 is a major interstate trunkline as well as an urban commuter route along the coast of Lake Michigan which passes through the city of Holland.
- **US-31 in Muskegon and Oceana Counties:** Three resurfacing projects are scheduled for US-31: Fruitvale Road to Winston Road in 2005, and Shelby Road to Polk Road and Monroe Road to the north Oceana County Line in 2007. A 2008 project will reconstruct the segment from M-20 to Shelby Road.
- **M-21 and M-66 Corridors in Ionia County:** Major reconstruction projects to improve the corridor begin in 2005. Haynor Street to the East junction of M-66 in the City of Ionia will be reconstructed. 2006 and 2007 projects will resurface M-21 from M-66 through the Village of Muir.
- **M-66 projects** include reconstruction from M-21 to Apple Tree Lane in the City of Ionia, and resurfacing from Portland Road to Grand River Avenue in the area of the I-96/M-66 Interchange. Both projects are scheduled for 2006.
- **M-46 projects:** 2005 resurfacing will take place in Montcalm County. These projects are planned between Miles Road and M-66, the M-66 west junction to the M-66 east junction, and 2<sup>nd</sup> Street to Lewis Street in Edmore.
- **M-20 has major rehabilitation projects scheduled in Mecosta County.** The design phase has begun for the segment from 13 Mile Road to 80<sup>th</sup> Avenue east of Big Rapids and it will be completed in 2007. In 2008, approximately four miles of road will be repaired from Newcosta Road east to 200<sup>th</sup> Avenue.
- **US-131 near the City of Big Rapids:** A major resurfacing project will be completed in 2008. Work is planned to take place between 13 Mile and 19 Mile Roads, and the interchange at 19 mile will also be resurfaced.
- **The M-104 corridor in Ottawa County** has roadway improvements planned in 2004 and 2005. This work will provide minor widening at the intersection of Lake @ School Street in the City of Spring Lake, and will resurface a segment from Buchanan Street to Lake Street. An Access Management Study for the corridor is underway.
- **I-196BL in the Holland area** will be rehabilitated as the segment from 96<sup>th</sup> Avenue to I-196 is included in the 2006 schedule of projects.

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- **Chicago Drive in the Jenison and Hudsonville areas** will be resurfaced in 2007. Construction is planned from 12<sup>th</sup> Avenue to School Street and from the Hudsonville City Limit to 12<sup>th</sup> Avenue.
- **M-37 in Caledonia:** Work is scheduled for this growing commercial corridor in 2008, including a center left turn lane in the Village of Caledonia. The four mile segment from southern Kent County Line north to 76<sup>th</sup> Street will be completed in 2008.
- **M-11 (28<sup>th</sup> Street) in Grand Rapids:** Two intersections are being reconstructed (at Kalamazoo Avenue and Breton Avenue), in coordination with work on the two cross streets by the City, in 2004, and in 2005, the Division Avenue intersection will be reconstructed. These concrete reconstructions will improve the condition of these three major intersections along this busy commercial corridor. A 2008 reconstruction project will be completed between US-131 to Division Avenue, in conjunction with this project, a section between Division and Kalamazoo will be resurfaced.
- **M50 in Lake Odessa:** Work is scheduled in 2004 to reconstruct 0.5 miles and rehabilitate 0.8 miles of M50 from the west village limits of Lake Odessa to 0.3 miles west of the east Ionia County Line.

In addition, Capital Preventive Maintenance (CPM) projects, programmed annually, will be undertaken to improve the condition and extend the life of bridges and highway surfaces, as well as Traffic-Safety projects to improve traffic operations in the Grand Region. Several Congestion Mitigation/Air Quality (CMAQ) projects are also planned for trunklines in Kent, Ottawa, and Muskegon counties. Some of the major CMAQ, Traffic-Safety, and CPM projects include:

- **I-96 at East Beltline Interchange:** On the eastbound off-ramp, three ramp turning lanes will be extended to provide additional storage and improve freeway operations.
- **M-11 (Wilson Avenue):** A major Traffic/Safety intersection improvement is planned at Burton Street in 2004. An Access Management Study is also planned in 2004 for this well traveled North/South route in western Kent County.
- **US-131 at I-196 BL:** In 2004, we will continue with deck patching, joint and beam repairs in order to improve the condition of this bridge will be completed on a route vital to travel in the Holland area.

## Capacity Improvements and New Roads

### **M-6 / (Paul B. Henry Freeway), I-96 to I-196, Kent County**

The construction of a 20-mile limited access freeway connecting I-96 and I-196 across the southern Grand Rapids metropolitan area is currently underway. The eastern segment, from the I-96 interchange to M-37, was completed and opened to traffic in 2001. Construction of the remaining segments from M-37 to I-196 is ongoing and will be open to traffic in 2005.

A major component of this project is the widening of US-131 from 76<sup>th</sup> Street to 44<sup>th</sup> Street is complete.

### **I-96 / 36<sup>th</sup> Street Interchange (I-96 Airport Area Access), Kent County**

The Final Environmental Impact Statement has been approved and a Record of Decision was issued by the Federal Highway Administration in April, 2003 for a new I-96 interchange at 36<sup>th</sup> Street. This interchange will connect to the 36<sup>th</sup> Street extension in Kent County near the Gerald R. Ford International Airport. This project also includes the reconstruction of I-96 between M-11 (28<sup>th</sup> street) and Thornapple River Drive.

The design and right of way acquisition phases are underway. Freeway reconstruction activities are planned to begin in late 2004, with construction of the new interchange scheduled to start in 2005.

### **US-31 / Holland to Grand Haven, Ottawa County**

A Final Environmental Impact Statement (FEIS) will be submitted to the Federal Highway Administration (FHWA) in 2004. The recommended alternative includes a new freeway east of the current alignment and some improvements to the existing roadway in Grand Haven and Holland. A land use study of Ottawa County was included as a part of the FEIS to highlight the opportunity for local land use coordination which could help manage current and projected growth in the County along the corridor. Design has been deferred to a future Five Year Transportation Program.

**I-196 / Chicago Drive (Baldwin St.), Interchange Modification), Kent and Ottawa Counties** A study is underway to evaluate additional I-196 access to the Jenison area of Georgetown Township. The Environmental Assessment (EA) for this interchange modification has been initiated and is planned for completion in early 2005. Following completion of the EA, the design phase will proceed and is expected to be completed in 2006. Right-of-way acquisition and construction activities have been deferred to a future Five Year Transportation Program.

### **I-196 / I-96 Corridor Improvement Study, Grand Rapids, Kent County**

A corridor master plan for I-196 from Market Street to I-96 and the segment of I-96 from Leonard Street to M-21 is complete. The purpose of this study is to identify needed mainline and interchange improvements along the corridor. The data gathered and input solicited from local officials during this study will be used in decisions regarding future corridor preservation work and freeway modernization activities. Environmental Assessment (EA) activities for the corridor began in 2003.

### **I-96 / East of the Thornapple River, Kent County**

MDOT is working with the Grand Valley Metro Council and the Kent County Road Commission to model the impact of recent and planned improvements (such as M-6, the 36<sup>th</sup> Street Extension, and the new I-96 interchange at 36<sup>th</sup> Street) to determine if additional and/or modified freeway access is warranted in the study area.

**FIVE YEAR HIGHWAY AND BRIDGE PROGRAM**  
**Repair and Rebuild Roads**

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**GRAND BRIDGES**

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
IONIA	M-21		M-21 OVER STONEY CREEK	OVERLAY - DEEP	0.000			CON		
IONIA	M-21		M-21 OVER MAPLE RIVER	OVERLAY - DEEP	0.000			CON		
IONIA	M-50		M-50 OVER TUPPER RIVER	SUPERSTRUCTURE REPAIR	0.000	CON				
KENT	I-196		I-196, M-21 WB OVER LAFAYETTE AVENUE	OVERLAY - DEEP	0.000					CON
KENT	I-196		I-196 WB RAMP OVER OTTAWA AVENUE AND RAMP A	DECK REPLACEMENT	0.000		CON			
KENT	I-196		I-196 OFF RAMP OVER US-131 BR AND IONIA AVENUE	DECK REPLACEMENT	0.000		CON			
KENT	I-196		I-196 OVER MONROE AVENUE	DECK REPLACEMENT	0.000		CON			
KENT	I-196		I-196, M-21 WB OVER CONRAIL RAILROAD (ABANDONED)	SUPERSTRUCTURE REPAIR	0.000				CON	
KENT	I-196		I-196, M-21 EB OVER LAFAYETTE AVENUE	OVERLAY - DEEP	0.000					CON
KENT	I-196		SCRIBNER OVER I-196 EB	OVERLAY	0.000					CON
KENT	I-196		I-196, M-21 WB OVER US-131 BR AND IONIA	SUPERSTRUCTURE REPLACEMENT, WIDEN, /	0.000		CON			
KENT	I-196		I-196, M-21 EB OVER US-131 BR AND IONIA	SUPERSTRUCTURE REPLACEMENT	0.000		CON			
KENT	I-196		I-196 WB OFF RAMP OVER DANLY MACHINE BUILDING	DECK REPLACEMENT	0.000		CON			
KENT	I-196		I-196, M-21 EB OVER OTTAWA AVENUE AND RAMP A	SUPERSTRUCTURE REPLACEMENT	0.000		CON			
KENT	I-196		I-196, M-21 WB OVER OTTAWA AVENUE AND RAMP A	SUPERSTRUCTURE REPLACEMENT, WIDEN, /	0.000		CON			
KENT	I-196		I-196, M-21 EB OVER CONRAIL RAILROAD (ABANDONED)	SUPERSTRUCTURE REPAIR	0.000				CON	
KENT	I-196		I-196, M-21 WB OVER BRIDGE STREET	SUPERSTRUCTURE REPLACEMENT, WIDEN, /	0.000				CON	
KENT	I-196		I-196, M-21 EB OVER BRIDGE STREET	SUPERSTRUCTURE REPLACEMENT, WIDEN, /	0.000				CON	
KENT	I-196 EB		I-196, M-21 EB OVER GTW RAILROAD	SUPERSTRUCTURE REPLACEMENT, WIDEN, /	0.000		CON			
KENT	I-196 EB		I-196 EB OVER M-45 EB RAMP TO I-196 WB	SUBSTRUCTURE REPAIR	0.000	CON				
KENT	I-196 WB		I-196 WB OVER GTW RAILROAD	SUPERSTRUCTURE REPLACEMENT, WIDEN, /	0.000		CON			
KENT	I-196 WB		I-196, M-21 WB OVER LANE AVENUE	DECK REPLACEMENT, WIDEN, ADD LANES	0.000				CON	
KENT	I-96 EB		I-96, M-21 EB OVER GTW RAILROAD	SUPERSTRUCTURE REPLACEMENT	0.000			CON		
KENT	I-96 WB		I-96, M-21 WB OVER GTW RAILROAD	SUPERSTRUCTURE REPLACEMENT	0.000			CON		
KENT	M-46		M-46 OVER DUKE CREEK	BRIDGE REPLACEMENT	0.000		CON			
KENT	US-131	PF	I-196 BS (FRANKLIN) OVER CSX RAILROAD AND US-131	SUBSTRUCTURE REPAIR	0.000	CON				
KENT	US-131		M-11 OVER US-131	SUPERSTRUCTURE REPLACEMENT	0.000	CON				
KENT	US-131		44TH STREET OVER US-131	OVERLAY - SHALLOW	0.000				CON	
KENT	US-131		US-131 OVER CONRAIL (ABANDONED) AND PLASTER CREEK	OVERLAY - DEEP	0.000		CON			
MECOSTA	M-20		M-20 (EIGHT MILE ROAD) OVER MUSKEGON RIVER	MISCELLANEOUS BRIDGE	0.000	CON				
MECOSTA	US-131 OLD		US-131 BUSINESS LOOP OVER MITCHELL CREEK	DECK REPLACEMENT	0.000	CON				
MONTCALM	M-46		M-46 OVER TAMARACK CREEK	SUPERSTRUCTURE REPAIR	0.000	CON				
MUSKEGON	US-31BR WB		US-31 BR WB OVER SOUTH BRANCH MUSKEGON RIVER	SUPERSTRUCTURE REPLACEMENT	0.000			CON		
OCEANA	US-31		US-31 SB OVER BUCHANAN ROAD	OVERLAY - DEEP	0.000					CON
OCEANA	US-31		US-31 NB OVER BUCHANAN ROAD	OVERLAY - DEEP	0.000					CON
OCEANA	US-31 (OLD)		US-31 (OLD) OVER PENTWATER RIVER	OVERLAY - DEEP	0.000					CON

Date 12-18-2003

**FIVE YEAR HIGHWAY AND BRIDGE PROGRAM**

**DRAFT**

**Repair and Rebuild Roads**

**GRAND BRIDGES**

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
OTTAWA	M-21 OLD		OLD M-21 WB OVER BLACK CREEK	BRIDGE REPLACEMENT	0.000	CON				
					0.000					

# FIVE YEAR HIGHWAY AND BRIDGE PROGRAM

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## Repair and Rebuild Roads

### GRAND REPAIR AND REBUILD ROADS

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
IONIA	M-21		MUIR WEST VILLAGE LIMITS EAST TO COOK ROAD	RESURFACE	4.179			CON		
IONIA	M-21		M-66 (DEXTER STREET) EAST TO LOVELL STREET	RESURFACE	1.350				CON	
IONIA	M-21		HILLCREST DRIVE EAST TO MUIR WEST VILLAGE LIMITS	RESURFACE	3.494				CON	
IONIA	M-21		HAYNOR STREET EAST TO M-66 (EAST JUNCTION)	RECONSTRUCTION	0.797		CON			
IONIA	M-50		WASHINGTON BOULEVARD EAST TO EAST OF CEMETERY ROAD	RESURFACE	1.326	CON				
IONIA	M-66		PORTLAND ROAD NORTH TO GRANDRIVER AVENUE	RESURFACE	0.864			CON		
IONIA	M-66		M-21 NORTH TO APPLE TREE LANE	RECONSTRUCTION	0.700			CON		
KENT	I-196		KENOWA AVENUE EAST TO CHICAGO DRIVE	RESTORATION AND REHABILITATION	2.116					CON
KENT	I-296/US-131 SB		ANN STREET NORTH TO NORTH PARK STREET	RECONSTRUCTION	2.510		CON			
KENT	I-96		M-11 EAST TO THORNAPPLE RIVER DRIVE	RESTORATION AND REHABILITATION	2.350	CON				
KENT	I-96		16TH AVENUE EAST TO BRISTOL AVENUE	RESTORATION AND REHABILITATION	6.348			CON		
KENT	M-11		DIVISION AVENUE WEST TO KALAMAZOO AVENUE	RESURFACE	1.788					CON
KENT	M-11		AT KALAMAZOO AVENUE AND AT BRETON AVENUE	RECONSTRUCTION	0.237	CON				
KENT	M-11		US-131 EAST TO DIVISION	RECONSTRUCTION	0.638					CON
KENT	M-11		AT DIVISION AVENUE INTERSECTION	RECONSTRUCTION	0.072		CON			
KENT	M-37		KENT/BARRY COUNTY LINE NORTH TO 76TH STREET	RESURFACE	4.337					CON
KENT	M-45		MANZANA DRIVE EAST TO I-196	RESURFACE	2.861	CON				
KENT	US-131		ROCKFORD REST AREA	ROADSIDE FACILITIES - PRESERVE	0.592		CON			
KENT	US-131		6 MILE ROAD NORTH TO 10 MILE ROAD	RESTORATION AND REHABILITATION	5.340				CON	
KENT	US-131		NORTH PARK STREET NORTH TO 6 MILE ROAD	RESTORATION AND REHABILITATION	2.310		CON			
KENT	US-131 NB		ANN STREET NORTH TO NORTH PARK STREET	RECONSTRUCTION	2.460				CON	
MECOSTA	M-20		SOUTH OF 13 MILE ROAD EAST TO 80TH AVENUE	RESTORATION AND REHABILITATION	5.880				CON	
MECOSTA	M-20		NEWCOSTA ROAD EAST TO 200TH AVENUE	RESTORATION AND REHABILITATION	3.754					CON
MECOSTA	M-66		M-20 NORTH TO 17 MILE ROAD	RESURFACE	7.790		CON			
MECOSTA	US-131		13MILE ROAD NORTH TO 19MILE ROAD	RESURFACE	7.643					CON
MONTCALM	M-46		SECOND STREET EAST TO LEWIS STREET	RECONSTRUCTION	0.243		CON			
MONTCALM	M-46		MILES ROAD EAST TO M-66	RESURFACE	4.648		CON			
MUSKEGON	US-31		FRUITVALE ROAD NORTH TO WINSTON ROAD	RESURFACE	5.466		CON			
NEWAYGO	M-20		M-20 (PINE HILL) OVER WHITE RIVER	BRIDGE REPLACEMENT	0.598			CON		
NEWAYGO	M-20		EAST OF BEECH ROAD TO EAST OF NEWCOSTA ROAD	RESTORATION AND REHABILITATION	2.156		CON			
NEWAYGO	M-20		M-37 EASTERLY TO SWAIN STREET	RECONSTRUCTION	0.512	CON				
OCEANA	M-20		US-31(OLD) EAST TO 0.38 MILES EAST OF 144TH AVENUE	RESURFACE	8.000	CON				
OCEANA	US-31		SHELBY ROAD TO POLK ROAD;MONROE ROAD TO CNTY LINE	RESURFACE	9.328				CON	
OCEANA	US-31		M-20 NORTH TO SHELBY ROAD	RECONSTRUCTION	3.841					CON
OTTAWA	I-196 BL		WEST OF 96TH AVENUE EAST TO I-196	RESTORATION AND REHABILITATION	2.294			CON		
OTTAWA	M-104		M-104 EB AT SCHOOL STREET	MINOR WIDENING	0.079	CON				

Date 12-18-2003

# FIVE YEAR HIGHWAY AND BRIDGE PROGRAM

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## Repair and Rebuild Roads

**GRAND REPAIR AND REBUILD ROADS**

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
OTTAWA	M-104		BUCHANAN STREET EAST TO LAKE STREET	RESTORATION AND REHABILITATION	0.580		CON			
OTTAWA	M-21 OLD		HUDSONVILLE EAST CITY LIMIT EAST TO 12TH AVENUE	RESURFACE	2.074				CON	
OTTAWA	M-21 OLD		EAST OF 12TH AVENUE EAST TO EAST OF SCHOOL STREET	RESURFACE	1.070				CON	
OTTAWA	US-31		SOUTH OTTAWA COUNTY LINE NORTH TO EIGHTH STREET	RESURFACE	2.148	CON				
					114.773					

**FIVE YEAR HIGHWAY AND BRIDGE PROGRAM  
New Roads and Capacity Improvements**

**DRAFT**

**GRAND CAPACITY IMPROVEMENT**

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
KENT	I-196		AT CHICAGO DRIVE INTERCHANGE	CAPACITY IMPROVEMENT	2.000	EPE	EPE			
KENT	I-196		MARKET-I96 & LEONARD-M21	MISCELLANEOUS	10.672	EPE				
KENT	I-196		AT CHICAGO DRIVE INTERCHANGE	CAPACITY IMPROVEMENT	2.000	PE	PE	PE	PE	PE
KENT	I-96		AT 36TH STREET	NEW INTERCHANGE OR STRUCTURE	1.879	EPE				
KENT	I-96		AT 36TH STREET	NEW INTERCHANGE OR STRUCTURE			CON	CON		
KENT	I-96		AT 36TH STREET	NEW INTERCHANGE OR STRUCTURE		ROW				
KENT	I-96		AT 36TH STREET	NEW INTERCHANGE OR STRUCTURE		PE				
KENT	I-96		AT 36TH STREET	NEW INTERCHANGE OR STRUCTURE		PES				
					16.551					

**FIVE YEAR HIGHWAY AND BRIDGE PROGRAM  
New Roads and Capacity Improvements**

**DRAFT**

**GRAND NEW ROADS (CAPACITY EXPANSION)**

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
KENT	M-6		DIVISION AVENUE TO WEST OF PATTERSON AVENUE	NEW ROUTES	5.456	CON	CON			
KENT	M-6		DIVISION AVENUE TO I-96 INTERCHANGE	NEW ROUTES	15.189	CON	CON			
KENT	M-6		I-196 INTERCHANGE TO WEST OF DIVISION AVENUE	NEW ROUTES	14.833	CON	CON			
KENT	M-6		WEST OF JACKSON TO EAST OF BURLINGAME AVENUE	NEW ROUTES	6.568	CON	CON			
KENT	M-6		EAST OF BURLINGAME EAST AND WEST OF DIVISION	NEW ROUTES	5.155	CON				
KENT	M-6		EAST OF BURLINGAME EAST AND WEST OF DIVISION	NEW ROUTES		ROW				
OTTAWA	M-6		OVER M-6 WESTBOUND AND I-196 EASTBOUND	BRIDGE REPLACEMENT	0.140	CON	CON			
OTTAWA	M-6		OVER M-6 WB AND I-196 EB	BRIDGE REPLACEMENT	0.140	CON	CON			
OTTAWA	US-31		I-196 TO I-96	MISCELLANEOUS	26.990	EPE	EPE			
					74.471					